

#### ARTICOLE PUBLISHATE:

1. Delta-admixed neutron stars: spinodal instabilities and dUrca processes, Phys. Lett. B, Volume 814, 136070 (2021)

2. Maximum mass of compact stars from gravitational wave events with finite-temperature equations of state, Sanika Khadkikar, Adriana R. Raduta, Micaela Oertel, and Armen Sedrakian, Phys. Rev. C 103, 055811 (2021)

3. EoS for hot neutron stars, Adriana R. Raduta, Flavia Nacu, Micaela Oertel, submitted to Eur. Phys. J. A

4. Hot neutron stars and their equation of state, Jin-Biao Wei, G. F. Burgio, Ad. R. Raduta, and H.-J. Schulze, submitted to Phys. Rev. C

#### PREZENTARI LA CONFERINTE INTERNATIONALE:

1. The equation of state of (hot) compact stars (invited lecture), Adriana R. Raduta, PHAROS workshop: Online repository for the equation of state and transport properties of neutron stars, Barcelona (Spain), 24-26 February, 2021 (<https://www.astro.unige.ch/compose2021/>)

2. Nuclear equation of state and physics of compact stars (invited lecture), Adriana R. Raduta, Carpathian Summer School of Physics 2020, CSSP2020, Sinaia (Romania), August 18-27, 2021 (<http://cssp20.nipne.ro/information.php>)

3. Nuclear equation of state and physics of compact stars (invited lecture), Adriana R. Raduta, Schools on Nuclear Astrophysics Questions, ChETEC-INFRA (<https://events.hifis.net/event/113/>), June, 9, 2021, virtually via Zoom

4. Finite temperature equations of state (invited lecture), Adriana Raduta, The Modern Physics of Compact Stars and Relativistic Gravity 2021, Yerevan (Armenia) Sep 27 - 30, 2021 (<https://indico.cern.ch/event/1046655/>)

5. Overview of thermal properties of hot purely nucleonic EoS on Compose (invited seminar), MUSES collaboration (University of Houston, Kent State University, University of Illinois Urbana-Champaign) USA

13 December 2021, virtually via Zoom

6. Neutron stars and their thermal evolution (invited lecture),

Mikhail Beznogov,

Carpathian Summer School of Physics 2020, CSSP2020

Sinaia (Romania), August 18-27, 2021

(<http://cssp20.nipne.ro/information.php>)

7. Constraining the properties of superdense matter with observations of low-mass X-ray binaries: the case of HETE J1900.1–2455 (oral contribution),

Mikhail Beznogov,

The Modern Physics of Compact Stars and Relativistic Gravity 2021,

Yerevan (Armenia) Sep 27 - 30, 2021

(<https://indico.cern.ch/event/1046655/>)